

Materials List for:

Generation of Human Alloantigen-specific T Cells from Peripheral Blood

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Materials

Name	Company	Catalog Number	Comments
Sodium heparin venous blood collection tube 16 x 100 mm	Becton, Dickenson and Company	366480	
Lymphoprep	Stemcell Technologies	7801	
Rosette Sep Human T Cell Enrichment Kit	Stemcell Technologies	15061	
Dulbecco's PBS, 1x without Ca or Mg	Corning	21-031-CV	
Bovine serum albumin	Sigma-Aldrich	A7906	
EDTA	Sigma-Aldrich	E6635	
Fluorophore-labeled pMHC tetramer	NIH Tetramer Facility	NA	
EasySep Biotin Selection Kit	Stemcell Technologies	18553	
EasySep Selection magnet	Stemcell Technologies	18000	
TruStain FcX Human Fc blocking solution	Biolegend	422301	
Anti-CD5 PE-Cy7 (clone UCHT2)	Biolegend	300621	
Anti-CD14 FITC (clone HCD14)	Biolegend	325603	
Anti-CD19 FITC (clone HIB19)	Biolegend	302205	
Iscove's DMEM, without b-ME or L-glutamine	Corning	15-016-CV	
HEPES	Corning	25-060-CI	
b-Mercaptoethanol	Life Technologies	21985-023	
Glutamax	Life Technologies	35050061	
Gentamicin sulfate (50 mg/ml)	Omega Scientific	GT-50	
Human AB serum, male donor	Omega Scientific	HS-30	
Recombinant human IL-2	Peptotech	AF 200-02	
Dynabeads Human T-Activator CD3/CD28	Life Technologies	11131D	
Media			
Cell sorting buffer			
PBS, pH 7.4	1 L		
BSA	10 g		
EDTA (0.5 M)	2 ml		
Human T Cell Culture Medium			
Iscove's DMEM	351.6 ml		
Heat-inactivated human AB serum	40 ml		
HEPES (1 M)	4 ml		

Glutamax (100x)	4 ml		
Gentamicin (50 mg/ml)	0.4 ml		
b-mercaptoethanol (14.3 M)	1.4 ml		
Recombinant human IL-2 (1 mg/ml)	1 ml		